



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
---------------	-------------	-----------------------	---------------------

07/847,292 03/06/92 BUCHANAN

K 8493.10US01

EXAMINER

HAZARD, J

23M2

MERCHANT, GOULD, SMITH, EDELL,
WELTER & SCHMIDT
90 SOUTH 7TH ST., STE 3100
MINNEAPOLIS, MN 55402

ART UNIT

PAPER NUMBER

2311

DATE MAILED:

05/05/93

**Supplemental
NOTICE OF ALLOWABILITY**

PART I.

- This communication is responsive to _____
- All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- The allowed claims are 1 - 27
- The drawings filed on _____ are acceptable.
- Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [] been received. [] not been received. [] been filed in parent application Serial No. _____, filed on _____
- Note the attached Examiner's Amendment.
- Note the attached Examiner Interview Summary Record, PTOL-413.
- Note the attached Examiner's Statement of Reasons for Allowance.
- Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

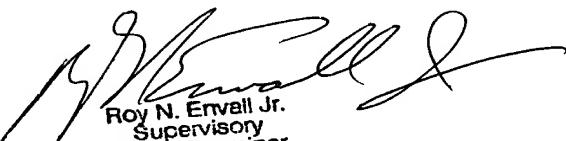
A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
 - Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 5. CORRECTION IS REQUIRED.
 - The proposed drawing correction filed on _____ has been approved by the examiner. CORRECTION IS REQUIRED.
 - Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
 - Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTOL- 413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449
- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other


Roy N. Enwall Jr.
Supervisory
Patent Examiner
Group 2300

EXAMINER'S AMENDMENT

ATTACHMENT TO PAPER NO. 6
(SUPPLEMENTAL NOTICE OF ALLOWANCE)

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Thomas F. Brennan on May 4, 1993.

In the Specification:

Appendix A (pages 1-430 and 1-15 of the appendix) has been deleted.

On page 37, lines 20-22, of the specification, "Appendix A contains an object code listing of two MSDOS files that make up a preferred embodiment of the present system." has been deleted.

Remarks:

Appendix A has been deleted due to its extremely large size and also because the contents of the appendix, which consist of binary code, are not necessary for the understanding or enablement of the invention.

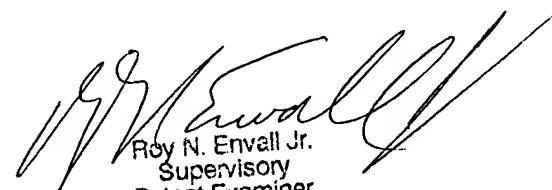
The reference in the specification to the appendix has also been deleted.

Serial No. 07/847,292
Art Unit 2311

-3-

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer L. Hazard whose telephone number is (703) 305-9778.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.


Roy N. Envall Jr.
Supervisory
Patent Examiner
Group 2300


Jennifer L. Hazard
May 4, 1993